

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 2    | "20030235707"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2007/01/29 08:17 |
| L2    | 2    | "5753422".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2007/01/29 10:08 |
| L3    | 1    | "6509125".pn. and (azo or nitro or methine or porphyrin or azaporphyrin or coumarine or anthraquinone) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2007/01/29 10:21 |
| L4    | 1    | "6509125".pn. and (aliphatic or aromatic or alicyclic)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2007/01/29 10:33 |
| L5    | 0    | "6509125".pn. and (polystyrene, polymethacrylate, polyacrylate)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2007/01/29 10:33 |
| S1    | 263  | pigment and hydrophobic and bivalent and hetero  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/05/04 12:19 |
| S2    | 90   | pigment and hydrophobic and bivalent and hetero and ink  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2005/12/06 09:43 |
| S3    | 21   | pigment and hydrophobic and bivalent and hetero and ink\$jet   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2005/12/06 09:41 |

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|     |     |   |   |     |     |                  |
|-----|-----|---|---|-----|-----|------------------|
| S4  | 2   | "20040239740"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06 09:52 |
| S5  | 4   | "10095942" "07219113"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2007/01/24 09:39 |
| S6  | 1   | 347/100 and hetero adj bond same bivalent                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06 13:37 |
| S7  | 6   | hetero adj bond same bivalent   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06 11:10 |
| S8  | 13  | "09176543" "54130620"<br>"2001172532" "10095942"<br>"07219113" "2003084381" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06 11:09 |
| S9  | 10  | hetero adj bond same (bi\$valent or di\$valent)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06 11:10 |
| S10 | 8   | hetero adj bond same (bi\$valent or di\$valent) and ink                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06 11:11 |
| S11 | 546 | hetero same (bi\$valent or di\$valent) and ink                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/06 11:11 |

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|     |         |   |  |     |     |                  |
|-----|---------|---|--|-----|-----|------------------|
| S12 | 145     | hetero with bond\$3 same (bi\$valent or di\$valent) and ink   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/06 11:12 |
| S13 | 44      | hetero near5 bond\$3 same (bi\$valent or di\$valent) and ink  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/06 11:23 |
| S14 | 11      | hetero near5 bond\$3 near5 link\$3 same (bi\$valent or di\$valent) and ink  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/06 12:59 |
| S15 | 165     | (link\$3 with bond\$3 with (nitrogen or oxygen or sulfur or halide\$2 or hetero)) same (bi\$valent or di\$valent) and ink       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/06 13:41 |
| S16 | 11      | (link\$3 with bond\$3 with (nitrogen or oxygen or sulfur or halide\$2 or hetero)) same (bi\$valent or di\$valent) and "347"/\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/06 13:01 |
| S18 | 1512525 | (ether or thioether or ester or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea)         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/06 14:10 |
| S19 | 187276  | bi\$valent or di\$valent  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/06 14:10 |
| S20 | 23155   | S18 with S19  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/06 14:11 |

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|     |         |   |   |     |     |                  |
|-----|---------|---|---|-----|-----|------------------|
| S21 | 1897129 | link\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06 14:11 |
| S22 | 4229    | S20 with S21  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06 14:12 |
| S23 | 96765   | ink\$jet  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06 14:12 |
| S24 | 88965   | hetero  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06 14:12 |
| S25 | 116     | S22 with S24  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06 14:13 |
| S26 | 6       | S25 and S23   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06 15:08 |
| S28 | 503     | ("--CH.sub.2CH"(OH)"CH.sub.2O"--)<br>or ("--CH.sub.2C"("CH.sub.3")(OH)"CH.sub.2O--")<br>or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--")              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06 15:08 |
| S29 | 503     | ("--CH.sub.2CH"(OH)"CH.sub.2O"--)<br>or ("--CH.sub.2C"("CH.sub.3")(OH)"CH.sub.2O--")<br>or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--") and ink\$jet | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06 15:09 |

## EAST Search History

|     |      |   |  |     |                  |
|-----|------|---|--|-----|------------------|
| S30 | 503  | ("--CH.sub.2CH"(OH)"CH.sub.2O"--) or ("--CH.sub.2C"("CH.sub.3")(OH)"CH.sub.2O--") or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--") and ink\$jet and (structural near unit\$)  | US-PGPUB; AND USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OFF | 2005/12/06 15:10 |
| S31 | 503  | ("--CH.sub.2CH"(OH)"CH.sub.2O"--) or ("--CH.sub.2C"("CH.sub.3")(OH)"CH.sub.2O--") or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--") and ink\$jet and (structural near unit\$) and (surface adj tension)  | US-PGPUB; AND USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OFF | 2005/12/06 15:10 |
| S32 | 503  | ("--CH.sub.2CH"(OH)"CH.sub.2O"--) or ("--CH.sub.2C"("CH.sub.3")(OH)"CH.sub.2O--") or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--") and ink\$jet and (structural near unit\$) and (surface adj tension) and (penetration adj promoter)           | US-PGPUB; AND USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OFF | 2005/12/06 15:14 |
| S33 | 0    | ("--CH.sub.2CH"(OH)"CH.sub.2O"--) or ("--CH.sub.2C adj (""CH.sub.3"")(OH) adj CH.sub.2O--") or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--") and ink\$jet and (structural near unit\$) and (surface adj tension) and (penetration adj promoter) | US-PGPUB; AND USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OFF | 2005/12/06 15:14 |
| S34 | 0    | ("--CH.sub.2CH"(OH)"CH.sub.2O"--) or ("--CH.sub.2C"("C.sub.2H.sub.5")(-OH)"CH.sub.2O--") and ink\$jet and (structural near unit\$) and (surface adj tension) and (penetration adj promoter)   | US-PGPUB; AND USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OFF | 2005/12/06 15:15 |
| S35 | 25   | ink\$jet and penetration adj promoter   | US-PGPUB; AND USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OFF | 2005/12/06 15:18 |
| S36 | 1222 | ink\$jet and (surface adj tension) with ("20" or "60")  | US-PGPUB; AND USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OFF | 2005/12/06 15:19 |

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|     |       |  |   |     |     |                  |
|-----|-------|--|---|-----|-----|------------------|
| S37 | 336   | 347/100 and (surface adj tension) with ("20" or "60")                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/06 15:19 |
| S38 | 247   | (oil\$soluble or oil near soluble) with polymer and dissociate\$5                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 08:01 |
| S39 | 71    | (oil\$soluble or oil near soluble) with polymer and dissociate\$5 and ink\$jet             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 08:04 |
| S40 | 66    | (oil\$soluble or oil near soluble) with (polymer and dye) and dissociate\$5 and ink\$jet   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 08:07 |
| S41 | 2     | "11286637"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 08:27 |
| S42 | 452   | (oil\$soluble) with (polymer and dye)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 08:42 |
| S43 | 43446 | dissociative or dissociable or dissociate or dissociates or dissociating or disassociative | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 11:55 |
| S44 | 9804  | mmol\$g  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 08:38 |

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|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S45 | 23   | S43 with S44  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 08:38 |
| S46 | 17   | S45 and S42   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 08:38 |
| S47 | 17   | S46 and ink   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 08:38 |
| S48 | 452  | ((oil\$soluble) with polymer) and<br>((oil\$soluble) with dye)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 11:01 |
| S49 | 17   | S48 and S45   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 08:43 |
| S50 | 26   | ((oil\$soluble) with polymer) same<br>(carboxyl or sulfonic) and<br>((oil\$soluble) with dye) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 11:01 |
| S51 | 8    | S45 and S50   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 11:01 |
| S52 | 6165 | dissociative or dissociable   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 11:55 |

## EAST Search History

|     |        |   |   |     |     |                  |
|-----|--------|---|---|-----|-----|------------------|
| S53 | 17     | S52 with S44                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 11:55 |
| S54 | 12     | S52 and S50                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 12:26 |
| S55 | 55     | oil\$soluble with polymer with mass     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 12:27 |
| S56 | 64     | oil\$soluble with dye with mass         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 12:27 |
| S57 | 24     | S56 and S55 and ink                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 12:29 |
| S58 | 24     | S56 and S55                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 12:32 |
| S59 | 13     | S56 and S55 and (percent or percentage) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 14:11 |
| S60 | 206667 | polyvinyl alcohol                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 14:12 |

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|     |       |  |   |     |     |                  |
|-----|-------|--|---|-----|-----|------------------|
| S61 | 19712 | polyvinyl near alcohol and ink                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 14:12 |
| S62 | 19653 | (polyvinyl adj alcohol) and ink                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 14:12 |
| S63 | 4415  | (polyvinyl adj alcohol) and ink\$jet                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 14:12 |
| S64 | 80086 | (aono or ikeda).in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 14:14 |
| S65 | 595   | (aono or ikeda).in. and ink\$jet                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/12 14:14 |
| S66 | 20531 | ink and poly\$vinyl adj alcohol\$1                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15 15:01 |
| S67 | 6674  | ("347"/\$3 or "106"/\$3) poly\$vinyl<br>adj alcohol\$1         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15 15:08 |
| S68 | 2973  | ("347"/\$3 or "106"/\$3) poly\$vinyl<br>adj alcohol\$1 and ink | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15 15:08 |

## EAST Search History

|     |         |   |   |            |                  |
|-----|---------|---|---|------------|------------------|
| S69 | 4157426 | "100"   | US-PGPUB; AND<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OFF        | 2005/12/15 15:08 |
| S70 | 5554    | ("347"/100 or "106"/\$3) poly\$vinyl<br>adj alcohol\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB     | AND<br>OFF | 2005/12/16 10:58 |
| S71 | 538     | ("347"/100) poly\$vinyl adj<br>alcohol\$1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB     | AND<br>OFF | 2005/12/15 15:12 |
| S72 | 486     | "C.sub.3" with "H.sub.6" with "O.<br>sub.2"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB     | AND<br>OFF | 2005/12/15 15:13 |
| S73 | 886     | ("C.sub.3" with "H.sub.6" with "O.<br>sub.2") or ("C.sub.4" with "H.sub.8"<br>with "O.sub.2") or ("C.sub.3" with<br>"H.sub.10" with "O.sub.2") and<br>"347"/\$3                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB     | AND<br>OFF | 2005/12/15 15:14 |
| S74 | 376     | ("C.sub.3" adj "H.sub.6" adj "O.sub.<br>2") or ("C.sub.4" adj "H.sub.8" adj<br>"O.sub.2") or ("C.sub.3" adj "H.sub.<br>10" adj "O.sub.2") and "347"/\$3                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB     | AND<br>OFF | 2005/12/15 15:18 |
| S75 | 0       | (("C.sub.3" adj "H.sub.6" adj "O.<br>sub.2") or ("C.sub.4" adj "H.sub.8"<br>adj "O.sub.2") or ("C.sub.3" adj "H.<br>sub.10" adj "O.sub.2")) with (group<br>or sub\$group) and "347"/\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB     | AND<br>OFF | 2005/12/15 15:19 |
| S76 | 0       | (("C.sub.3" adj "H.sub.6" adj "O.<br>sub.2") or ("C.sub.4" adj "H.sub.8"<br>adj "O.sub.2") or ("C.sub.3" adj "H.<br>sub.10" adj "O.sub.2")) same<br>(group or sub\$group) and "347"/\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB     | AND<br>OFF | 2005/12/15 15:21 |

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|     |      |  |   |     |     |                  |
|-----|------|--|---|-----|-----|------------------|
| S77 | 1166 | (kenji near ikeda) or (toshiaki near aono) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15 15:21 |
| S78 | 104  | S77 and ink                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15 15:31 |
| S79 | 463  | CH2CH(OH)CH2O                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/15 15:32 |
| S80 | 214  | CH2CH(OH)CH2O                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/15 15:32 |
| S81 | 8    | CH2CH(OH)CH2O and ink                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/15 15:35 |
| S82 | 0    | CH2C(CH3)(OH)CH2O and ink                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/15 15:36 |
| S83 | 0    | CH2C(C2H5)(OH)CH2O and ink                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2005/12/15 15:36 |
| S84 | 1667 | 347/100                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16 10:58 |

## EAST Search History

|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S85 | 2    | "10095942"                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16 11:22 |
| S86 | 8    | "6048660"                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16 12:37 |
| S87 | 2    | "07219113"                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16 12:37 |
| S88 | 2    | "20020143079"                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16 12:55 |
| S89 | 1854 | 347/100.ccls.                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16 13:56 |
| S90 | 3    | "2001181548"                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/16 13:56 |
| S91 | 2    | "6521031"                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/16 14:40 |
| S92 | 581  | photopolymerizable adj monomer<br>and ink | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2005/12/16 14:40 |

## EAST Search History

|      |    |   |  |     |     |                  |
|------|----|---|--|-----|-----|------------------|
| S93  | 11 | photopolymerizable adj monomer with oil\$soluble with dye and ink   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/16 14:42 |
| S94  | 11 | photopolymerizable adj monomer with oil\$soluble with dye           | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/16 14:43 |
| S95  | 6  | "10095942" "200181548"<br>"6521031"                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/16 14:46 |
| S96  | 1  | 2002-049273.NRAN.   | DERWENT  | AND | OFF | 2005/12/16 14:44 |
| S97  | 0  | "20010181548"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/16 14:45 |
| S98  | 2  | "200181548"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/16 14:46 |
| S99  | 3  | "2001081548"  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/16 14:46 |
| S100 | 0  | photo\$polymerizable\$monomer with oil\$soluble near dye and ink    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/19 07:05 |
| S101 | 12 | photo\$polymerizable adj monomer with oil\$soluble near dye and ink | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/19 07:07 |

## EAST Search History

|          |      |  |   |     |     |                  |
|----------|------|--|---|-----|-----|------------------|
| S10<br>2 | 12   | photo\$polymerizable adj monomer\$1 with oil\$soluble near dye and ink | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:06 |
| S10<br>3 | 12   | photo\$polymerizable adj monomer with oil\$soluble near dye            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:15 |
| S10<br>4 | 2087 | photo\$polymerizable adj monomer                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:08 |
| S10<br>5 | 629  | S104 and ink   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:09 |
| S10<br>6 | 228  | S104 and hydrophobic   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:10 |
| S10<br>7 | 128  | S104 and hydrophobic and ink   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:11 |
| S10<br>8 | 39   | S104 with ink and dye  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:11 |
| S10<br>9 | 1    | 2004-286760.NRAN.  | DERWENT   | AND | OFF | 2005/12/19 07:12 |
| S11<br>0 | 19   | photo\$polymerizable adj monomer and oil\$soluble near dye             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:15 |

## EAST Search History

|          |   |  |   |     |     |                  |
|----------|---|--|---|-----|-----|------------------|
| S11<br>1 | 7 | S110 not S102  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:20 |
| S11<br>2 | 3 | "2001181548"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:20 |
| S11<br>3 | 1 | 2002-002086.NRAN.  | DERWENT   | AND | OFF | 2005/12/19 07:21 |
| S11<br>4 | 2 | "20020067399"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 07:36 |
| S11<br>5 | 3 | "2002088294"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 09:02 |
| S11<br>6 | 4 | "6509125"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 09:02 |
| S11<br>7 | 3 | "2002088294"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/19 09:32 |
| S11<br>8 | 0 | ("6521031" "6048660"<br>"20020143079" "20020060727").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/05/04 12:19 |
| S11<br>9 | 8 | ("6521031" "6048660"<br>"20020143079" "20020060727").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04 12:20 |

## EAST Search History

|          |      |  |   |     |     |                  |
|----------|------|--|---|-----|-----|------------------|
| S12<br>0 | 13   | ("09176543" "54130620"<br>"2001172532" "10095942"<br>"07219113" "2003084381").pn.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04 13:06 |
| S12<br>1 | 4    | ("09176543" "54130620"<br>"2001172532" "10095942"<br>"07219113" "2003084381").pn. and<br>pigment         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04 12:22 |
| S12<br>2 | 1191 | ((aono.in. near toshiaki) or (ikeda.<br>in. near kenji))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04 12:22 |
| S12<br>3 | 126  | ((aono.in. near toshiaki) or (ikeda.<br>in. near kenji)) and ink   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04 12:23 |
| S12<br>4 | 1    | 1998-280511.NRAN.  | DERWENT   | AND | OFF | 2006/05/04 12:52 |
| S12<br>5 | 1    | 1995-323727.NRAN.  | DERWENT   | AND | OFF | 2006/05/04 12:34 |
| S12<br>6 | 472  | ink and general near formula   | DERWENT   | AND | OFF | 2006/05/04 12:55 |
| S12<br>7 | 2    | (bi\$valent with link\$3 with group<br>with hetero near bond)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04 13:07 |
| S12<br>8 | 9    | ((bi\$valent or bivalent or di\$valent<br>or divalent) with link\$3 with group<br>with hetero near bond) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04 13:09 |
| S12<br>9 | 9    | ((bi\$valent or bivalent or di\$valent<br>or divalent) with link\$3 with hetero<br>near bond)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/05/04 13:12 |

## EAST Search History

|          |     |  |  |     |                  |
|----------|-----|--|--|-----|------------------|
| S13<br>0 | 587 | ((bi\$valent or bivalent or di\$valent or divalent) with link\$3 with (hetero or heterocyclic) with bond)  | US-PGPUB; OR<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OFF | 2006/05/04 13:12 |
| S13<br>1 | 12  | ((bi\$valent or bivalent or di\$valent or divalent) with link\$3 with (hetero or heterocyclic) near bond)  | US-PGPUB; OR<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OFF | 2006/05/04 13:13 |
| S13<br>2 | 208 | ((bi\$valent or bivalent or di\$valent or divalent) with link\$3 with ((hetero near bond) or ((ether or ester or thioether or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea) near (bond))))                     | US-PGPUB; OR<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OFF | 2006/05/04 13:14 |
| S13<br>3 | 84  | ((bi\$valent or bivalent or di\$valent or divalent) near link\$3 with ((hetero near bond) or ((ether or ester or thioether or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea) near (bond))))                     | US-PGPUB; OR<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OFF | 2006/05/04 13:16 |
| S13<br>4 | 19  | ((bi\$valent or bivalent or di\$valent or divalent) near link\$3 with ((hetero near bond) or ((ether or ester or thioether or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea) near (bond)))) and pigment         | US-PGPUB; OR<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OFF | 2006/05/04 13:21 |
| S13<br>5 | 11  | ((bi\$valent or bivalent or di\$valent or divalent) near link\$3 with ((hetero near bond) or ((ether or ester or thioether or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea) near (bond)))) and pigment and ink | US-PGPUB; OR<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OFF | 2006/05/10 12:01 |
| S13<br>6 | 4   | ("100095942" "2001181548" "6521031").pn.   | US-PGPUB; OR<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OFF | 2006/05/10 13:15 |

## EAST Search History

|          |     |   |   |    |     |                  |
|----------|-----|---|---|----|-----|------------------|
| S13<br>7 | 294 | (oil near soluble near dye) same<br>(water near soluble near dye)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10 12:13 |
| S13<br>9 | 56  | (oil near soluble near dye) same<br>(water near soluble near dye) and<br>(347/100 or "106"/\$5) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10 12:45 |
| S14<br>0 | 11  | (oil near soluble near dye) with<br>(hydrophobic with polymer) and<br>(347/100 or "106"/\$5)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10 12:47 |
| S14<br>1 | 0   | (water near soluble near dye) with<br>(hydrophobic near polymer) and<br>(347/100 or "106"/\$5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10 12:48 |
| S14<br>2 | 2   | (water near soluble near dye) same<br>(hydrophobic near polymer) and<br>(347/100 or "106"/\$5)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10 12:48 |
| S14<br>3 | 1   | 10/765929   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10 13:13 |
| S14<br>4 | 0   | ("200200067399").pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10 13:16 |
| S14<br>5 | 2   | ("20020067399").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/05/10 13:16 |

## EAST Search History

|          |     |  |   |      |     |                  |
|----------|-----|--|---|------|-----|------------------|
| S14<br>6 | 2   | "6068963".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 11:39 |
| S14<br>7 | 2   | "6048660".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 14:52 |
| S14<br>8 | 1   | 10/767062  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 11:59 |
| S14<br>9 | 879 | ("CH.sub.2CH"(OH)"CH.sub.2O")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 11:59 |
| S15<br>0 | 81  | ("CH.sub.2CH"(OH)"CH.sub.2O")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12 12:22 |
| S15<br>1 | 81  | ("CH.sub.2CH"(OH)"CH.sub.2O") or<br>("CH.sub.2C"("CH.sub.3")(OH)"CH.<br>sub.2O")         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12 12:23 |
| S15<br>2 | 81  | ("CH.sub.2CH"(OH)"CH.sub.2O") or<br>("CH.sub.2C"("CH.sub.3")(OH)"CH.<br>sub.2O") and ink | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12 12:23 |
| S15<br>3 | 81  | ("CH.sub.2CH"(OH)"CH.sub.2O") or<br>("CH.sub.2C"("CH.sub.3")(OH)"CH.<br>sub.2O")         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12 12:24 |

## EAST Search History

|          |    |   |   |      |     |                  |
|----------|----|---|---|------|-----|------------------|
| S15<br>4 | 81 | ("CH.sub.2CH"(OH)"CH.sub.2O") or ("CH.sub.2C"("CH.sub.3")"(OH)"CH.<br>sub.2O") and ink  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12 12:24 |
| S15<br>5 | 22 | (("CH.sub.2CH"(OH)"CH.sub.2O")<br>or ("CH.sub.2C"("CH.sub.<br>3")"(OH)"CH.sub.2O")) and ink   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12 13:36 |
| S15<br>6 | 2  | (("CH.sub.2CH"(OH)"CH.sub.2O")<br>or ("CH.sub.2C"("CH.sub.<br>3")"(OH)"CH.sub.2O")) and 347/100   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12 13:37 |
| S15<br>7 | 3  | (("CH.sub.2CH"(OH)"CH.sub.2O")<br>or ("CH.sub.2C"("CH.sub.<br>3")"(OH)"CH.sub.2O") or ("CH.sub.<br>2C"("C.sub.2H.sub.5")(- OH)"CH.<br>sub.2O")) and ("106"/\$5 or<br>347/100) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2006/05/12 13:41 |
| S15<br>8 | 2  | 10/797062 or 10/765929  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 14:53 |
| S15<br>9 | 2  | 10/767062 or 10/765929  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 15:20 |
| S16<br>0 | 2  | ink and (oil\$soluble near dye) same<br>(oil\$soluble near polymer) same<br>pigment   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 15:28 |
| S16<br>1 | 13 | ink and (oil\$soluble near dye) same<br>pigment and (oil\$soluble near<br>polymer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 15:26 |

## EAST Search History

|          |     |  |   |      |     |                  |
|----------|-----|--|---|------|-----|------------------|
| S16<br>2 | 44  | ink and ((oil\$soluble or hydrophobic) near dye) same pigment and ((oil\$soluble or hydrophobic) near polymer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 15:28 |
| S16<br>3 | 77  | ink and (oil\$soluble near dye) and (oil\$soluble near polymer) and pigment                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 15:29 |
| S16<br>4 | 66  | ink and (oil\$soluble near dye) same (oil\$soluble near polymer) and pigment                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/12 15:29 |
| S16<br>5 | 11  | ink and (oil\$soluble near dye) same pigment and (oil\$soluble dye) same (oil\$soluble near polymer)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2007/01/10 10:14 |
| S16<br>6 | 1   | 11/043215  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/13 14:49 |
| S16<br>7 | 1   | 11/058804  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | OFF | 2006/05/13 14:49 |
| S16<br>8 | 200 | (oil near soluble) near3 (dye and polymer) and (pigment)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05 12:10 |
| S16<br>9 | 165 | (oil near soluble) near3 (dye and polymer) and (pigment) and ink   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON  | 2006/06/05 12:11 |

## EAST Search History

|          |    |   |   |      |    |                  |
|----------|----|---|---|------|----|------------------|
| S17<br>0 | 42 | (oil near soluble) near3 (dye and polymer) and (pigment) and 347/100  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/06/05 12:42 |
| S17<br>1 | 2  | "20030061965"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/06/05 12:20 |
| S17<br>2 | 1  | 10/765929 and oil\$soluble near polymer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/06/05 12:23 |
| S17<br>3 | 38 | oil\$soluble near polymer with stability  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/06/05 12:23 |
| S17<br>4 | 24 | oil\$soluble near polymer with stability and ink  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/06/05 12:41 |
| S17<br>5 | 2  | "20030073563"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/06/05 12:41 |
| S17<br>6 | 36 | hanaki.in. and ink  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/06/05 12:41 |
| S17<br>7 | 2  | (oil near soluble) near3 (dye and polymer) and (pigment) and (photo\$polymeriz\$4 with monomer) and 347/100 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | ON | 2006/06/05 12:43 |

## EAST Search History

|          |     |  |  |      |     |                  |
|----------|-----|--|--|------|-----|------------------|
| S17<br>8 | 8   | (oil near soluble) near3 (dye and polymer) and (pigment) and (photo\$polymeriz\$4 with monomer) and ink  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | ON  | 2006/06/05 12:43 |
| S17<br>9 | 2   | "6068963".pn.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | OFF | 2007/01/10 10:03 |
| S18<br>0 | 1   | "6068963".pn. and (ink same (dye and pigment))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | OFF | 2007/01/10 10:10 |
| S18<br>1 | 1   | "6068963".pn. and ((dye same pigment))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | OFF | 2007/01/10 10:13 |
| S18<br>2 | 49  | 347/100.ccls. and (soluble same dye same pigment) and ((ether or ester or thioether or thioester or sulfonyl or amide or imide or sulfonamide or urethane or urea or thiourea) with bond\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | OFF | 2007/01/10 10:19 |
| S18<br>3 | 2   | "5599859".pn. and (soluble same dye)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | OFF | 2007/01/10 10:25 |
| S18<br>4 | 1   | 10/767062  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | NEAR | OFF | 2007/01/24 10:31 |
| S18<br>5 | 141 | ((aono.in. near toshiaki) or (ikeda.in. near kenji)) and ink   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR   | OFF | 2007/01/24 09:50 |
| S18<br>6 | 1   | 1998-280511.NRAN.  | DERWENT  | AND  | OFF | 2007/01/24 09:54 |

## EAST Search History

|          |     |  |   |      |     |                  |
|----------|-----|--|---|------|-----|------------------|
| S18<br>7 | 526 | ink and (MP103 or MP203 or MP102<br>or (MP adj "102") or (MP adj "103")<br>or (MP adj "203"))              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24 10:38 |
| S18<br>8 | 3   | ink and (MP103 or MP203 or MP102<br>or (MP adj "102") or (MP adj "103")<br>or (MP adj "203")) and aono.in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24 10:48 |
| S18<br>9 | 2   | "6197724".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24 10:54 |
| S19<br>0 | 2   | "20030235707"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24 10:49 |
| S19<br>1 | 1   | 2004-081572.NRAN.  | DERWENT   | AND  | OFF | 2007/01/24 10:49 |
| S19<br>2 | 2   | "5753422".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | NEAR | OFF | 2007/01/24 10:58 |